

# TECHNICAL DATA PACKAGE

NIIN: 013210341 VERSION: 002  
ITEM NAME: INJECTOR ASSEMBLY,F

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MAY 06, 1997

## 1. SCOPE

1.1 Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with <GENERAL ELECTRIC CO.> drawing number ( <99207> ) <5027T23G12> , Revision <AE> and all details and specifications referenced therein.

1.2 Unless expressly provided for elsewhere in this clause, equipment such as fixtures, jigs, dies, patterns, mylars, special tooling, test equipment, or any other manufacturing aid required for the manufacture and/or testing of the subject item(s) will not be provided by the Government or any other source and is the sole responsibility of the contractor. The foregoing applies notwithstanding any reference to such equipment or the furnishing thereof that may be contained in any drawing or referenced specification.

1.3 The use of MIL-W-81381 wire in any item to be delivered under this procurement is prohibited. The foregoing prohibition applies notwithstanding any reference to MIL-W-81381 wire that may be made in any of the drawings or specifications for this procurement. MIL-W-22759 series wire shall be used in lieu of MIL-W-81381 wire, in any place where MIL-W-81381 wire is cited in this procurement. Any questions concerning this requirement should be directed to the Procuring Contracting Officer.

1.4 If MIL-STD-454 is referenced in the drawings or in the specification, the contractor is expected to show compliance with MIL-STD-2000A. Personnel performing tasks in accordance with MIL-STD-2000A shall be trained and certified as required by MIL-STD-2000A paragraph 5.1.4.

1.5 . Markings shall be in accordance with MIL-STD-130.

1.6 . The contractor shall include on the detailed process/operation sheets developed, (1) all in house manufacturing processes and (2) the identity of all manufacturing sources performing processes/operations outside their facility. These sheets shall not be revised or altered after the successful completion of First Article or Production Lot Testing without approval from the Basic Design Engineering activity, via the PCO.

1.7 . The Inspection Method Sheets which list the characteristics of each item produced under the contract shall have serial number traceability to the raw material, casting, or forging.

## 2. APPLICABLE DOCUMENTS

2.1

| DRAWING NO. | CAGE  | REV | DOC TYPE | DISTR CD |
|-------------|-------|-----|----------|----------|
| 5027T23G12  | 99207 | AE  |          | X        |

## 3. REQUIREMENTS - NOT APPLICABLE

## 4. QUALITY ASSURANCE

### FIRST ARTICLE INSPECTION/TEST CRITERIA

4.1 . The tests to be performed under the First Article approval clause (FAR #52.209-4) of the contract are listed below.

4.1.1 . Workmanship  
First Article(s) shall be inspected to determine that general workmanship is of acceptable aircraft quality.

4.1.2 . Dimensional test (special)  
<APPLIES>

4.1.3 . Requirements of:  
<N/A>

4.1.4 . Form  
<APPLIES>

4.1.5 . Fit  
<APPLIES>

4.1.6 . Function  
<N/A>

4.1.7 . Compliance with drawing ( <99207> ) <5027T23G12> , Revision <AE> and specifications referenced therein.

4.2 . In addition to the above tests, the First Article(s) to be delivered hereunder shall also be subjected to those tests which will demonstrate that the article(s) comply with contract requirements.

4.3 . The contractor shall be responsible for providing the necessary parts and repair of the First Article

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Sample(s) during testing.

4.4 . The cost of the Government testing effort set forth in this solicitation is estimated to be  $\pi$  <1,000.00> for the first article testing. This cost factor will be added, for solicitation purposes, to the price of all offerors for whom the Government will require such testing.

4.5 . Waiver of First Article Test Requirements shall not be granted for any supplier.

4.6 Review documentation as provided under DD 1423 requirements.

4.7 Unless otherwise provided for in the contract, sample(s) shall be returned to the contractor and may be considered as production items under the contract provided the sample(s) can be refurbished to ready for issue condition and provided the sample(s) have inspection approval of the cognizant DCMAO QAR. Sample(s) may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.

## 4.8 FIRST ARTICLE TEST NOTIFICATION OF SHIPMENT FOR GOVERNMENT TESTING

Fourteen (14) days prior to shipment of First Article Sample(s), the contractor shall notify the designated test facility in writing of the anticipated shipping date, with an information copy to the PCO, Naval Inventory Control Point. ATTN: (Cite code found in Block 10.a of the SF33). The contractor shall also arrange for preliminary inspection of test sample(s) by the CAO/QAR.

Upon shipment of First Article Sample(s), two (2) copies of the Material Inspection and Receiving Report (DD Form 250) bearing the QAR's signature and indication of preliminary inspection shall be forwarded to the NAVICP code cited in Block 10.a of SF33, with duplicate copies to ASO Code 072 and to the designated test facility. The envelopes shall be clearly marked: "DO NOT OPEN IN MAILROOM". Within <90> days after receipt of sample(s), the test site shall complete testing/evaluation and submit two (2) copies of their test report with conclusions and recommendations to the NAVICP code cited in Block 10.a of the SF33.

4.9 . FAR 52.209-4 applies.

(A) The contractors shall deliver <2> units(s) of the following CAGE ( <99207> ) Part number <5027T23G12> , Revision <AE> within <150> calendar days from the date of this contract to the Government at:  
<NAVAL AVIATION DEPOT  
NAS ALAMEDA  
CUSTOMER SERVICE  
CODE 13200, HGR. 12  
ALAMEDA, CA 94501-5021>

Marking of test sample(s) shipping container shall be as follows, citing this contract number:

"FOR FIRST ARTICLE TESTING. NOT RFI MATERIAL. DO NOT TAKE UP IN STOCK. CONTRACT NUMBER: \_\_\_\_\_ "

For First Article Test, the shipping documentation shall contain this contract number and the lot/item identification. The characteristics that the First Article must meet and the testing requirements are specified elsewhere in this contract.

(B) Within <120> calendar days after the Government receives the First Article, the contracting officer shall notify the contractor, in writing, of the conditional approval, approval, or disapproval of the First Article. The notice of conditional approval or approval shall not relieve the contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the contractor. A notice of disapproval shall cite reasons for disapproval.

(C) If the First Article is disapproved, the contractor, upon Government request, shall submit an additional First Article for testing. After each request, the contractor shall make any necessary changes, modifications, or repairs to the First Article or select another First Article for testing. All costs related to these tests are to be borne by the contractor, including any and all costs for additional tests following a disapproval. The contractor shall furnish any additional First Article to the Government under the terms and conditions and within the time specified by the Government. The Government shall act on this first article within the time limit specified in paragraph (B) above. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule or for any additional costs to the Government related to these test.

(D) If the contractor fails to deliver any First Article on time, or the contracting officer disapproves any First Article, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract.

(E) Unless otherwise provided in the contract, the contractor -

(1) May deliver the approved First Article as a part of the contract quantity, provided it meets all contract requirements for acceptance and was not consumed or destroyed in testing; and

(2) Shall remove and dispose of any First Article from the Government test facility at the contractor's expense

(F) If the Government does not act within the time specified in paragraph (B) or (C) above, the contracting officer

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shall, upon timely written request from the contractor, equitably adjust under the changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

(G) The contractor is responsible for providing operating and maintenance instructions, spare parts support, and repair of the first article during any First Article test.

(H) Before First Article approval, the acquisition of materials or components for, or the commencement of production of, the balance of the contract quantity is at the sole risk of the contractor. Before First Article approval, the costs thereof shall not be allocable to this contract for (1) progress payments, or (2) termination settlements if the contract is terminated for the convenience of the Government.

(I) The contractor shall produce both the First Article and the production quantity at the same facility and shall submit a certification to this effect with each First Article.

(K) The contractor shall provide specific written notification to the procuring contracting officer informing him of the shipment of any article(s) furnished in accordance with this clause. Such notification must be addressed to the attention of the Naval Inventory Control Point (NAVICP) code specified in Block 10.a of the SF33, with copy to the testing activity. Failure to provide such notification shall excuse the Government from any delay in performing First Article Testing and informing the contractor of the results thereof.

## GOVERNMENT PRODUCTION LOT SAMPLE TEST REQUIREMENTS

4.10 . The tests to be performed under the production lot sample testing provisions of the contract are as follows:

### 4.10.1 Workmanship

Production lot sample(s) shall be inspected to determine the general workmanship is of acceptable aircraft quality.

### 4.10.2 Dimension check

Production lot sample(s) shall be inspected to determine compliance with applicable drawings and/or specifications.  
<APPLIES>

### 4.10.3 Form

<APPLIES>

### 4.10.4 Fit

<APPLIES>

### 4.10.5 Function

<N/A>

### 4.10.6 Requirement of:

<N/A>

4.11 In addition to the above tests, the production lot sample(s) to be delivered hereunder shall also be subjected to those tests which will demonstrate that sample(s) comply with contract requirements.

4.12 The contractor will be responsible for providing necessary parts and repair of the production lot sample(s) during testing.

4.13 The cost of the Government testing effort set forth in this solicitation is estimated to be a <1,000.00> for each lot of production lot testing. This cost factor will be added, for solicitation purposes, to the price of all offerors for whom the Government will require such testing.

4.14 Unless otherwise provided for in the contract, sample(s) shall be returned to the contractor and may be considered as production items under the contract provided the sample(s) can be refurbished to Ready For Issue condition and provided the sample(s) have inspection approval of the cognizant DCMO QAR. Sample(s) may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.

## 4.15 NOTIFICATION OF SHIPMENT FOR GOVERNMENT TESTING

Fourteen (14) days prior to shipment of Production Lot Sample(s), the contractor shall notify the designated test facility, in writing, of the anticipated shipping date, with an information copy to the PCO, Naval Inventory Control Point, ATTN: (See Block 10.a. of the SF33 for name and code), with duplicate copies to NAVICP Code <0533> and to the designated testing facility. The envelope shall be clearly marked: "DO NOT OPEN IN MAILROOM"

Within <90> days after receipt of sample(s), the test site shall complete testing evaluation and submit two (2) copies of their test report with conclusions and recommendations to NAVICP Code (See Block 10.a of SF33 for name and code).

## 4.16 GOVERNMENT PRODUCTION LOT SAMPLE TESTING REQUIREMENTS

(A) The production lot sample(s) shall be <2> selected at random by the cognizant Government inspector (DCMO/QAR). Such sample(s) shall be submitted via the cognizant Government inspector. All transportation charges prepaid by the

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contractor. Ship to  
<NAVAL AVIATION DEPOT  
NAS ALAMEDA  
CUSTOMER SERVICE  
CODE 13200, HGR. 12  
ALAMEDA, CA 94501-5021>  
The samples shall be identified by contract number and lot number and shall be clearly marked as follows:  
PRODUCTION LOT SAMPLES  
NOT RFI MATERIAL  
DO NOT TAKE UP IN STOCK

(B) Such samples shall be delivered to the testing facility in sufficient time prior to the delivery date of the production articles to allow a <120> day period for testing by the laboratory and written notification by the contracting officer of the approval, conditional approval or disapproval of the samples. Within <90> days of the receipt of the samples, the testing facility shall notify the contracting officer, Naval Inventory Control Point, ATTN: (See Block 10 of SF33 for name and code) of the results of the testing, together with a recommendation for approval or disapproval.

(C) In the event the contractor does not receive written notification of approval, conditional approval or disapproval of the samples for a particular production lot within <120> days from their submission for such testing, the contract delivery schedule shall be equitably adjusted as necessary.

(D) If the contractor fails to deliver any production lot samples for testing within the time or times specified, or if the contracting officer disapproves any production lot samples, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract, and this contract shall be subject to termination for default.

(E) In order for a production lot to be acceptable, all samples representative of the lot must pass all of the contract requirements. In the event a sample fails to pass such requirements, the lot will be rejected. In such event, the Government may, at its option and at no additional cost to the Government, (I) terminate all or any portion of this contract for default, (II) require the manufacture of a new production lot, or a rework of the rejected production lot if the means and procedures proposed by the contractor for rework are acceptable to the Government, or (III) require the submission of additional samples for test. The foregoing procedures shall apply to new or reworked production lots in the same way as they did to the original production lot.

(F) For each additional sample or each resubmission of a modified sample which the contractor is required to submit for approval hereunder as a result of the failure of a previous sample to conform to the requirements of the specifications, the contractor shall pay to the Government the costs of reinspection, shipping, examination and retesting by the Government, and the contractor and his sureties (if any) shall be liable for the amount of such costs.

(G) All transportation charges incurred in the submission and return of any production lot sample shall be borne by the contractor.

(H) Nothing contained in the foregoing provisions of this clause, and no action of the Government in accordance herewith, shall in any way prejudice the right of the Government under the clause of this contract entitled Default.

## 4.17 . Mandatory Inspection Requirements:

100% Procurement Contracting Officer (PCO) mandatory inspection is required and shall be accomplished at source under the surveillance and final approval of the cognizant DCMAO Quality Assurance Representative (QAR).

During production, mandatory inspection is required to be accomplished by the contractor as follows:

- A. Level of Inspection (LOI).
  1. Critical characteristics: 100% inspection shall apply.
  2. Major and Minor characteristics: LOI shall be in accordance with a sampling plan acceptable to the QAR.
- B. Critical characteristics:
  - <1. FLUORESCENT PENETRANT INSP. I/A/W P3TF2 AND NOTE 15 REQUIREMENTS
  2. RADIOGRAPHIC INSPECTION I/A/W P3TF5 AND NOTE 5
  3. PRESSURE TEST I/A/W AMS 2607 AND NOTE 8
  4. ZONE F19 .005-.008 CHAM 45 DEGREE BASIC>
- C. Major and Minor characteristics
  1. Shall be defined by the contractor subject to QAR concurrence, unless defined on applicable drawings and associated specifications.

4.18 . Quality/Inspection Requirements  
The following quality/inspection requirements apply:  
MIL-I-45208A and paragraphs 3.1-3.5, 5.1-5.2, 6.1-6.2 of MIL-Q-9858.

## 5. PACKAGING- MIL-STD 2073 PACKAGING APPLIES AS FOUND ELSEWHERE IN THE SCHEDULE

## 6. NOTES - NOT APPLICABLE

(2 Data Items)

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

|                |             |                     |             |
|----------------|-------------|---------------------|-------------|
| G. PREPARED BY | H. DATE     | I. APPROVED BY      | J. DATE     |
| NO0383 0533 1  | 1994 OCT 20 | NICHOLAS ZAMPITELLA | 1994 OCT 20 |

|                              |  |
|------------------------------|--|
| 18. ESTIMATED<br>TOTAL PRICE |  |
|------------------------------|--|

|                              |  |
|------------------------------|--|
| 18. ESTIMATED<br>TOTAL PRICE |  |
|------------------------------|--|

# CONTRACT DATA REQUIREMENTS LIST

(2 Data Items)

Form Approved  
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO. B. EXHIBIT C. CATEGORY:  
TDP X TM \_\_\_\_\_ OTHER \_\_\_\_\_

D. SYSTEM/ITEM E. CONTRACT/PR NO. F. CONTRACTOR  
INJECTOR ASSEMBLY, F

1. DATA ITEM NO. 2. TITLE OF DATA ITEM 3. SUBTITLE  
CERTIFICATION DATA/REPORTS NA

4. AUTHORITY (Data Acquisition Document No.) 5. CONTRACT REFERENCE 6. REQUIRING OFFICE  
DI-MISC-80678/T3 NA ASO

7. DD 250 REQ 8. APP CODE 9. DIST STATEMENT REQUIRED 10. FREQUENCY 11. AS OF DATE 12. DATE OF FIRST SUBMISSION 13. DATE OF SUBSEQUENT SUBMISSION 14. DISTRIBUTION  
LT B NA ASREQ ASREQ ASREQ a. ADDRESSEE b. COPIES  
A B NA ASREQ Draft Reg Final

16. REMARKS  
Paragraphs 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4 and 10.5 apply.  
Block 9: Statement B, US Government, Naval Inventory Control Point  
Block 12: First submission to be made upon submittal of <1M> testing sample(s).  
Block 14: When NAVICP 02 is referenced in distribution, forward to the NAVICP code cited on Block 10.A. on page 1.  
Block 3: Separate reports shall be provided for the below listed subtitles and shall include certification that all vendors performing these processes are prime (OEM) approved sources. In the case where other than the OEM's specifications are to be utilized, separate certifications are required.  
BLOCK #5: Contract Reference:  
<1. CERTIFICATION OF APPROVED MATERIALS  
2. CERTIFICATION OF APPROVED MATERIAL SOURCE  
3. FPI I/A/W P3TF2 AND NOTE 15 REQUIREMENTS 4. RADIOGRAPHIC INSP. I/A/W P3TF5 AND NOTE 5  
5. PRESSURE TEST I/A/W AMS 2607 AND NOTE 8  
6. ZONE F19 .005-.008 CHAM 45 DEGREE BASIC>  
ASO 02 00 01 00  
ASO 0533 00 01 00  
NADEP ALMDA 00 01 00  
15. TOTAL → 00 03 00

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. 2. TITLE OF DATA ITEM 3. SUBTITLE  
REQUEST FOR DEVIATION NA

4. AUTHORITY (Data Acquisition Document No.) 5. CONTRACT REFERENCE 6. REQUIRING OFFICE  
DI-CMAN-80640 NA SEE BLOCK 16

7. DD 250 REQ 8. APP CODE 9. DIST STATEMENT REQUIRED 10. FREQUENCY 11. AS OF DATE 12. DATE OF FIRST SUBMISSION 13. DATE OF SUBSEQUENT SUBMISSION 14. DISTRIBUTION  
LT B NA ASREQ ASREQ ASREQ a. ADDRESSEE b. COPIES  
A B NA ASREQ Draft Reg Final

16. REMARKS  
Block 6: Forward additional copy to ASO code cited in block 10.A on page 1.  
ASO 02 00 01 00  
15. TOTAL → 00 01 00

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

G. PREPARED BY H. DATE I. APPROVED BY J. DATE  
N00383 0533 1 1994 OCT 20 NICHOLAS ZAMPITELLA 1994 OCT 20

(2 Data Items)

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

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|----------------|-------------|---------------------|-------------|
| G. PREPARED BY | H. DATE     | I. APPROVED BY      | J. DATE     |
| NO0383 0533 1  | 1994 OCT 20 | NICHOLAS ZAMPITELLA | 1994 OCT 20 |

|                              |
|------------------------------|
| 17. PRICE GROUP              |
| 18. ESTIMATED<br>TOTAL PRICE |

# INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12-M for detailed instructions.)

## FOR GOVERNMENT PERSONNEL

**Item A.** Self-explanatory

**Item B.** Self-explanatory

**Item C.** Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management", etc.

**Item D.** Enter name of system/item being acquired that data will support

**Item E.** Self-explanatory (to be filled in after contract award).

**Item F.** Self-explanatory (to be filled in after contract award).

**Item G.** Signature of preparer of CDRL.

**Item H.** Date CDRL was prepared.

**Item I.** Signature of CDRL approval authority.

**Item J.** Date CDRL was approved.

**Item 1.** See DoD FAR Supplement Subpart 4.71 for proper numbering.

**Item 2.** Enter title as it appears on data acquisition document cited in Item 4.

**Item 3.** Enter subtitle of data item for further definition of data item (optional entry).

**Item 4.** Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.

**Item 5.** Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).

**Item 6.** Enter technical office responsible for ensuring adequacy of the data item.

**Item 7.** Specify requirement for inspection/acceptance of the data item by the Government.

**Item 8.** Specify requirement for approval of a draft before preparation of the final data item.

**Item 9.** For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoD 5230.24).

**Item 10.** Specify number of times data items are to be delivered.

**Item 11.** Specify as-of date of data item, when applicable.

**Item 12.** Specify when first submittal is required.

**Item 13.** Specify when subsequent submittals are required, when applicable.

**Item 14.** Enter addresses and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.

**Item 15.** Enter total number of draft/final copies to be delivered.

**Item 16.** Use for additional/clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

## FOR THE CONTRACTOR

**Item 17.** Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

b. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

**Item 18.** For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirements to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.